STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _09/913,762_

Source: _1FWI6_

Date Processed by STIC: _3/18/05_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER VERSION 4.2.2 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
        http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street. Alexandria, VA 22314

Revised 01/24/05

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 09/913,762

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 ____ Wrapped Nucleics Wrapped Aminos — The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

·2 ____ Invalid Line Length — The rules require that a line not exceed 72 characters in length. This includes white spaces.

3 ____ Misaligned Amino Numbering — The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4 ____ Non-ASCII — The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5 ____ Variable Length — Sequence(s) ____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 ____ PatentIn 2.0 "bug" — A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7 ____ Skipped Sequences (OLD RULES) — Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8 ____ Skipped Sequences (NEW RULES) — Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 ____ Use of n's or Xaa's (NEW RULES) — Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 ____ Invalid <213> Response — Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11 ____ Use of <220> — Sequence(s) ____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (See. 1.823 of Sequence Rules)

12 ____ PatentIn 2.0 "bug" — Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 ____ Misuse of n/Xaa — "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid

AMC – Biotechnology Systems Branch – 09/09/2003

RAW SEQUENCE LISTING   DATE: 03/18/2005
PATENT APPLICATION: US/09/913,762   TIME: 10:41:08

Input Set : A:\9446.2 Sequence Listing CRF.TXT
Output Set: N:\CRF4\03182005\I913762.raw

```
 3 <110> APPLICANT: Milligan, Graeme
 4        Rees, Edward S.
 6 <120> TITLE OF INVENTION: Receptor Assay
 8 <130> FILE REFERENCE: 9013-13
10 <140> CURRENT APPLICATION NUMBER: 09/913,762
11 <141> CURRENT FILING DATE: 2001-11-27
13 <150> PRIOR APPLICATION NUMBER: GB 9903767.3
14 <151> PRIOR FILING DATE: 1999-02-18
16 <160> NUMBER OF SEQ ID NOS: 17
18 <170> SOFTWARE: PatentIn version 3.2
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 63
22 <212> TYPE: DNA
23 <213> ORGANISM: Artificial sequence
25 <220> FEATURE:
26 <223> OTHER INFORMATION: Primer
28 <400> SEQUENCE: 1
29 aaaaaaaagc ttgccaccat ggactacaag gacgacgatg ataaggggca acccgggaac      60
31 ggc                                                                    63
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 36
36 <212> TYPE: DNA
37 <213> ORGANISM: Artificial sequence
39 <220> FEATURE:
40 <223> OTHER INFORMATION: Primer
42 <400> SEQUENCE: 2
43 aaaaaggatc ctcccgccag cagtgagtca tttgta                                36
46 <210> SEQ ID NO: 3
47 <211> LENGTH: 27
48 <212> TYPE: DNA
49 <213> ORGANISM: Artificial sequence
51 <220> FEATURE:
52 <223> OTHER INFORMATION: Primer
54 <400> SEQUENCE: 3
55 atggactaca aggacgacga tgataag                                          27
58 <210> SEQ ID NO: 4
59 <211> LENGTH: 32
60 <212> TYPE: DNA
61 <213> ORGANISM: Artificial sequence
63 <220> FEATURE:
64 <223> OTHER INFORMATION: Primer
66 <400> SEQUENCE: 4
67 aaaaaggatc cagtaaagga gaagaacttt tc                                    32
```

Does Not Comply
Corrected Diskette Needed

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PATENT APPLICATION: US/09/913,762   TIME: 10:41:08

Input Set : A:\9446.2 Sequence Listing CRF.TXT
Output Set: N:\CRF4\03182005\I913762.raw

```
70  <210> SEQ ID NO: 5
71  <211> LENGTH: 33
72  <212> TYPE: DNA
73  <213> ORGANISM: Artificial sequence
75  <220> FEATURE:
76  <223> OTHER INFORMATION: Primer
78  <400> SEQUENCE: 5
79  tgctctagat tatttgtata gttcatccat gcc                    33
82  <210> SEQ ID NO: 6
83  <211> LENGTH: 28
84  <212> TYPE: DNA
85  <213> ORGANISM: Artificial sequence
87  <220> FEATURE:
88  <223> OTHER INFORMATION: Primer
90  <400> SEQUENCE: 6
91  ggaaggtacc agtaaaggag aagaactt                          28
94  <210> SEQ ID NO: 7
95  <211> LENGTH: 36
96  <212> TYPE: DNA
97  <213> ORGANISM: Artificial sequence
99  <220> FEATURE:
100 <223> OTHER INFORMATION: Primer
102 <400> SEQUENCE: 7
103 tgctctagat tatttgtata gttcatccat gccatg                 36
106 <210> SEQ ID NO: 8
107 <211> LENGTH: 27
108 <212> TYPE: DNA
109 <213> ORGANISM: Artificial sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Primer
114 <400> SEQUENCE: 8
115 gacggtacct ctaaaatgaa tcccgat                           27
118 <210> SEQ ID NO: 9
119 <211> LENGTH: 26
120 <212> TYPE: DNA
121 <213> ORGANISM: Artificial sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Primer
126 <400> SEQUENCE: 9
127 gtccctggta ccaaagtgcc cgggtg                            26
130 <210> SEQ ID NO: 10
131 <211> LENGTH: 10
132 <212> TYPE: PRT
133 <213> ORGANISM: Artificial sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: (Novel)
138 <400> SEQUENCE: 10
140 Ala Gly Ala Gly Ala Gly Ala Gly Gly Ala
141 1               5                   10
```

insufficient explanation - give source of genetic material - see item 11 on Error Summary Sheet

RAW SEQUENCE LISTING   DATE: 03/18/2005
PATENT APPLICATION: US/09/913,762   TIME: 10:41:08

Input Set : A:\9446.2 Sequence Listing CRF.TXT
Output Set: N:\CRF4\03182005\I913762.raw

```
144 <210> SEQ ID NO: 11
145 <211> LENGTH: 4
146 <212> TYPE: PRT
147 <213> ORGANISM: Artificial sequence
149 <220> FEATURE:
150 <223> OTHER INFORMATION: (Novel)
152 <400> SEQUENCE: 11
154 Ala Gly Ala Gly
155 1
158 <210> SEQ ID NO: 12
159 <211> LENGTH: 6
160 <212> TYPE: PRT
161 <213> ORGANISM: Artificial sequence
163 <220> FEATURE:
164 <223> OTHER INFORMATION: (Novel)
166 <400> SEQUENCE: 12
168 Ala Gly Ala Gly Gly Ala
169 1                5
172 <210> SEQ ID NO: 13
173 <211> LENGTH: 20
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Primer
180 <400> SEQUENCE: 13
181 gcgcagagcc cgggacaatg                                        20
184 <210> SEQ ID NO: 14
185 <211> LENGTH: 33
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Primer
192 <400> SEQUENCE: 14
193 gctggatcct tttccgaagt taacagcttt ttg                         33
196 <210> SEQ ID NO: 15
197 <211> LENGTH: 22
198 <212> TYPE: DNA
199 <213> ORGANISM: Artificial sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: Primer
204 <400> SEQUENCE: 15
205 cagtttgggt ctgaattgtg tc                                     22
208 <210> SEQ ID NO: 16
209 <211> LENGTH: 34
210 <212> TYPE: DNA
211 <213> ORGANISM: Artificial sequence
213 <220> FEATURE:
214 <223> OTHER INFORMATION: Primer
216 <400> SEQUENCE: 16
```

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217 ctttcaaggc tagggtcgtc acgacctcgt ccgc                          34
220 <210> SEQ ID NO: 17
221 <211> LENGTH: 41
222 <212> TYPE: DNA
223 <213> ORGANISM: Artificial sequence
225 <220> FEATURE:
226 <223> OTHER INFORMATION: Primer
228 <400> SEQUENCE: 17
229 ccggtgcagg aggtgcaaaa atggatacct gctctagtaa c             41
```

VERIFICATION SUMMARY   DATE: 03/18/2005
PATENT APPLICATION: US/09/913,762   TIME: 10:41:09

Input Set : A:\9446.2 Sequence Listing CRF.TXT
Output Set: N:\CRF4\03182005\I913762.raw